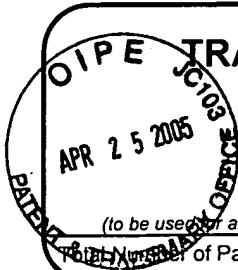


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## OPIE TRANSMITTAL FORM

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|                        |                |
|------------------------|----------------|
| Application Number     | 10/789,928     |
| Filing Date            | 02/27/2004     |
| First Named Inventor   | Tobin J. Marks |
| Art Unit               | 1773           |
| Examiner Name          |                |
| Attorney Docket Number | 7479           |

## ENCLOSURES (check all that apply)

|  |  |   |
|--|--|---|
| <input type="checkbox"/> Fee Transmittal Form<br><input checked="" type="checkbox"/> Fee Attached<br><input type="checkbox"/> Amendment / Reply<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input type="checkbox"/> Extension of Time Request<br><input type="checkbox"/> Express Abandonment Request<br><input checked="" type="checkbox"/> Information Disclosure Statement<br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><input type="checkbox"/> Reply to Missing Parts/<br>Incomplete Application<br><input type="checkbox"/> Reply to Missing Parts<br>under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><input type="checkbox"/> Petition<br><input type="checkbox"/> Petition to Convert to a Provisional Application<br><input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund<br><input type="checkbox"/> CD, Number of CD(s) _____<br><input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC<br><input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)<br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><input checked="" type="checkbox"/> Other Enclosure(s)<br>(please identify below):<br><br>Postcard<br>Copies of Non-Patent References<br>Transmittal of IDS |
| <b>Remarks</b>   |  |   |

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

|              |                                  |          |        |
|--------------|----------------------------------|----------|--------|
| Firm         | Reinhart Boerner Van Deuren s.c. |          |        |
| Signature    |                                  |          |        |
| Printed Name | Antonia M. Holland               |          |        |
| Date         | April 21, 2005                   | Reg. No. | 53,840 |

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This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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By: Antonia M. Holland  
Antonia M. Holland

Date: April 21, 2005

## PATENT APPLICATION

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

GROUP ART UNIT: 1773

#### EXAMINER:

|                                |   |                      |
|--------------------------------|---|----------------------|
| In re application of: Tobin J. | ) |                      |
| Marks, et al.                  | ) |                      |
|                                | ) |                      |
| Application No: 10/789,928     | ) | For: VAPOR DEPOSITED |
|                                | ) | ELECTRO-OPTIC FILMS  |
| Filed: 02/27/2004              | ) | SELF-ASSEMBLED       |
|                                | ) | THROUGH HYDROGEN     |
| Confirmation No.: 6801         | ) | BONDING              |
|                                | ) |                      |
| Attorney Docket No. 7479       | ) |                      |
|                                | ) |                      |
| Customer No. 22922             | ) |                      |

Commissioner for Patents  
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Alexandria, VA 22313-1450

April 21, 2005

### TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT WITHIN THREE MONTHS OF FILING OR BEFORE MAILING OF FIRST OFFICE ACTION (37 CFR 1.97(b))

**NOTE:** "An information disclosure statement shall be considered by the Office if filed: (1) within three months of the filing date of a national application; (2) within three months of the date of entry of the national stage as set forth in § 1.491 in an international application; or (3) before the mailing date of a first Office action on the merits, whichever event occurs last." 37 CFR 1.97(b).

*NOTE: The "filing date of a national application" under 37 CFR 1.97(b) has two possible meanings. Where the filing is a direct one to the United States Patent & Trademark Office, the filing is defined in 37 CFR 1.53(b) as "the date on which: (1) A specification containing a description pursuant to § 1.71 and at least one claim pursuant to § 1.75; and (2) any drawing required by § 1.81(a), are filed in the Patent and Trademark Office in the name of the actual inventor or inventors as required by § 1.41."*

*37 CFR 1.97(b)(1). On the other hand, an international application that enters the national stage occurs when the applicant has filed the documents and fees required by 35 U.S.C. § 371(c) within the periods set forth in § 1.494 or § 1.495. 35 U.S.C. § 371(c) requires the filing of the following: (1) the national fee; (2) a copy of the international application, unless already sent by the International Bureau, and an English translation if filed in another language; (3) amendments under PCT Article 19, with a translation into English if made in another language; (4) an oath or declaration; and (5) a translation into English of any annexes to the International preliminary examination report, if such annexes were made in another language. 37 CFR 1.97(b)(2).*

## **IDENTIFICATION OF TIME OF FILING THE ACCOMPANYING INFORMATION DISCLOSURE STATEMENT**

The information disclosure statement submitted herewith is being filed within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever event occurs last. 37 CFR 1.97(b).

**NOTE:** *"No certification or fee is due when the filing is made within the above time period. It is advisable to ensure that no Office action has been mailed if the disclosure statement is delayed until after three months from filing."*

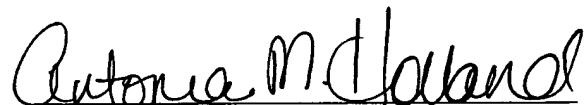
**NOTE:** *"An information disclosure statement will be considered to have been filed on the day it was received in the Office, or on an earlier date of a mailing if accompanied by a properly executed certificate of mailing under 37 CFR 1.8, or Express Mail certificate under 37 CFR 1.10. An Office action is mailed on the date indicated in the Office action." Notice of April 20, 1992 (1138 O.G. 37-41, 39).*

**NOTE:** *"The term 'national application' includes continuing applications (continuations, divisions, continuations-in-part) so three months will be measured from the actual filing date of an application as opposed [sic] to the effective date of a continuing application." Notice of April 20, 1992 (1138 O.G. 37-41, 39).*

**NOTE:** *"An action on the merits means an action which treats the patentability of the claims in an application, as opposed to only formal or procedural requirements. An action on the merits would, for example, contain a rejection or indication of allowability of a claim or claims rather than just a restriction requirement (37 CFR 1.142) or just a requirement for additional fees to have a claim considered (37 CFR 1.16(d)). Thus, if an application was filed on Jan. 1 and the first Office action on the merits was not mailed until six months later on July 1, the examiner would be required to consider any proper information disclosure statement filed prior to July 1." Notice of April 20, 1992 (1138 O.G. 37-41, 39).*

**WARNING:** *"A petition for suspension of action to allow applicant time to submit an information disclosure statement will be denied as failing to present good and sufficient reasons, since 37 CFR 1.97 provides adequate recourse for the timely submission of prior art for consideration by the examiner." Notice of July 6, 1992 (1141 O.G. 63).*

Dated: April 21, 2005  
Reg. No. 53,840  
Tel. No.: (414) 298-8285



SIGNATURE OF ATTORNEY

Antonia M. Holland

Reinhart Boerner Van Deuren, s.c.

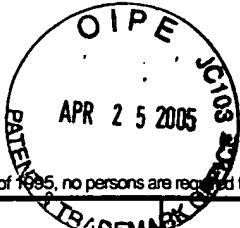
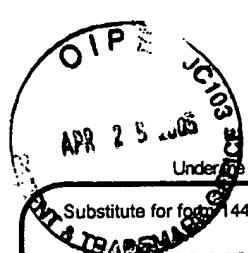
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

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of

### Complete if Known

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| Application Number     | 10/789,928     |
| Filing Date            | 02/27/2004     |
| First Named Inventor   | Tobin J. Marks |
| Art Unit               | 1773           |
| Examiner Name          |                |
| Attorney Docket Number | 7479           |

### NON PATENT LITERATURE DOCUMENTS

| Examiner Initials * | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.  | T <sup>2</sup> |
|---------------------|-----------------------|--|----------------|
|                     | 1                     | LIN, WENBIN; LIN, WEIPING; WONG, GEORGE K.; and MARKS, TOBIN J. Supramolecular approaches to second-order nonlinear optical materials. Self-assembly and microstructural characterization of intrinsically acentric [(Aminophenyl)azo]pyridinium superlattices. <i>J. Am. Chem. Soc.</i> 1996, 118, 8034-8042.   |                |
|                     | 2                     | CAI, C.; MULLER, B.; WECKESSER, J.; BARTH, J.V.; TAO, Y.; BOSCH, M.M.; KUNDIG, A.; BOSSHARD, C.; BIAGGIO, I.; and GUNTER, P. Model for in-plane directional ordering of organic thin films by oblique incidence organic molecular beam deposition. <i>Advanced Materials, Communications</i> , February 1999.  |                |
|                     | 3                     | CAI, C.; BOSCH, M.M.; MULLER, B.; TAO, T.; KUNDIG, A.; BOSSHARD, C.; GAN, Z.; BIAGGIO, I.; LIAKATAS, I.; JAGER, M.; SCHWER, H.; and GUNTER, P. Oblique incidence organic molecular beam deposition and nonlinear optical properties of organic thin films with a stable in-plane directional order. <i>Advanced Materials, Communications</i> , Marc 1999. |                |
|                     | 4                     | MULLER, B.; CAI, C.; KUNDIG, A.; TAO, Y.; BOSCH, M.; JAGER, M.; BOSSHARD, C.; and GUNTER, P. In-plane alignment of noncentrosymmetric molecules by oblique-incidence molecular beam deposition. <i>Applied Physics Letters</i> , V. 74, 21, May, 1999.   |                |
|                     | 5                     | MULLER, B.; CAI, C.; BOSCH, M.; JAGER, M.; BOSSHARD, C.; GUNTER, P.; BARTH, J.V.; WECKESSER, J.; and KERN, K. Ordering of PVBA on amorphous SiO <sub>2</sub> and Pd(110). <i>Thin Solid Films</i> , 343-344 (1999), 171-174.   |                |
|                     | 6                     | CAI, C.; BOSCH, M.M.; TAO, Y.; MULLER, B.; GAN, Z.; KUNDIG, A.; BOSSHARD, C.; LIAKATAS, I.; JAGER, M.; and GUNTER, P. Self-assembly in ultrahigh vacuum: Growth of organic thin films with a stable in-plane directional order. <i>J. Am. Chem. Soc.</i> 1998, 120, 8563-8564.   |                |
|                     | 7                     | FORREST, S.R.; BURROWS, P.E.; STROUSTRUP, A.; STRICKLAND, D.; and BAN, V.S. Intense second harmonic generation and long-range structural ordering in thin films of an organic salt grown by organic vapor phase deposition. <i>Appl. Phys. Lett.</i> 68 (10), 4 March 1996.  |                |
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